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CLAIMS:

- 1. A method for making a supported olefin polymerisation catalyst, including the steps of:
- (a) forming a solid support comprising a metal adsorbent having a chiral adsorbate adsorbed to the surface thereof, said solid support having chir all or pro-chiral crystal faces and wherein said support is formed by depositing the metal and chiral adsorbate by electrolysis from an electrolyte; and
- (b) immobilising a catalyst or pre-catalyst thereof on the chiral or pro-chiral crystal faces, and optionally activating the pre-catalyst, to form a supported olefin polymerisation catalyst.
- 2. The method according to claim 1, wherein the chiral adsorbate is organic.
- 3. A supported olefin polymerisation catalyst obtainable by the method as defined in claims 1 or claim 2.
- 4. The supported olefin polymerisation catalyst of claim 3 wherein the catalyst is a Ziegler-Natta catalyst.
- 5. The supported olefin polymerisation catalyst of claim 3 wherein the catalyst is a metallocene or a new single site catalyst.
- 6. The supported olefin polymerisation catalyst of claim 5 wherein the chiral adsorbate acts as a ligand that complexes to a transition metal to create the metallocene or new single site active centre.
- 7. A method for producing a polyolefin that comprises the steps of:
 - a) injecting the supported and activated olefin polymerisation catalyst of any one of claims 3 to 6 into the reactor;
 - b) injecting the monomer and optional comonomer into the reactor;

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- c) maintaining under polymerisation conditions;
- d) retrieving a polymer.
- 8. A method according to claim 7, wherein the olefin monomer is propylene or -ethylene.
 - 9. A polyolefin obtained by the method as defined in claim 7 or claim 8.
 - 10. Use of a solid support formed by depositing the metal and chiral adsorbate by electrolysis from an electrolyte, for controlling the formation of chiral and pro -chiral faces during lattice formation.